SGM304, SGM365, SGM466

dacor
The Life of the Kitchen.®

30”, 36”, 46” Wide, Preference® Gas Cooktops

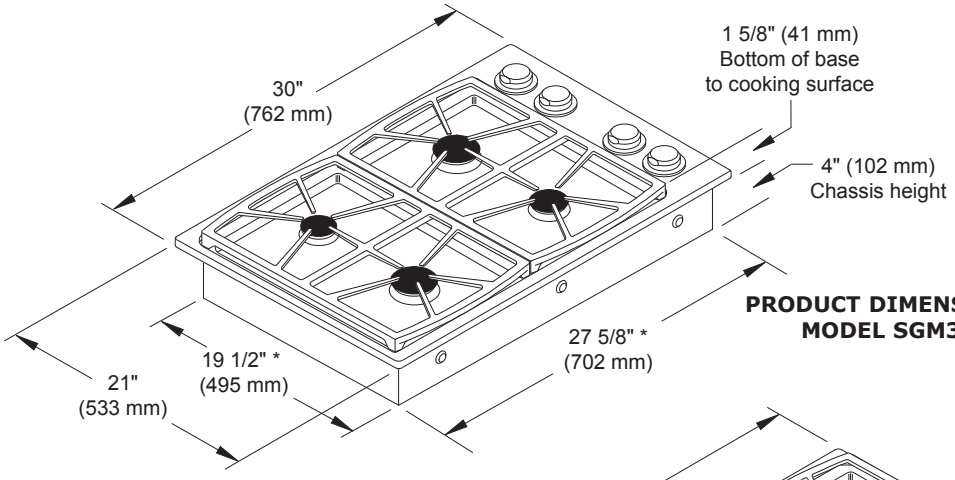
PLANNING GUIDE

⚠ WARNING

- Observe all governing codes and ordinances during planning and installation. Contact your local building department for further information.
- This appliance must be installed in accordance with the accompanying installation instructions.

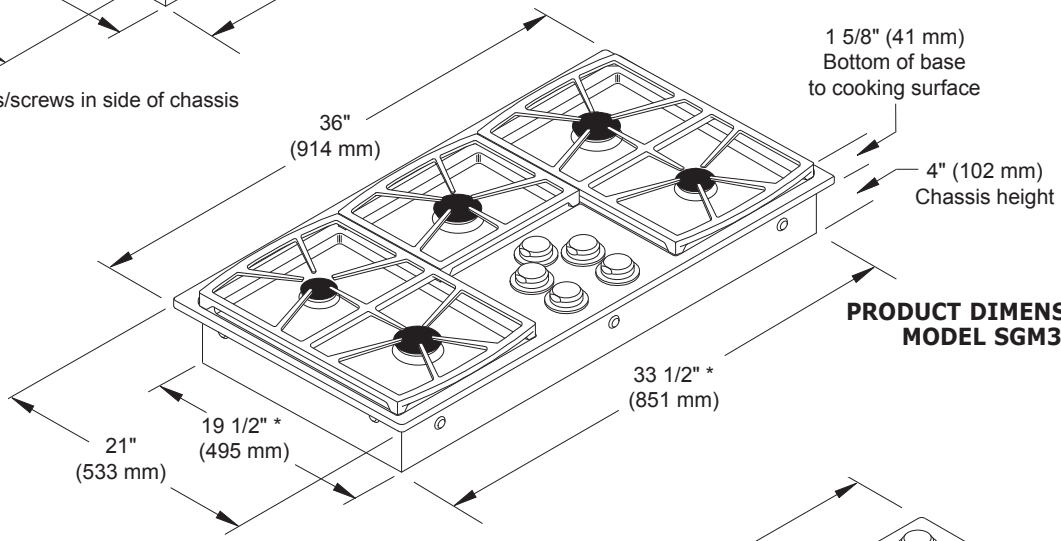
All tolerances ±1/16” (±1.6 mm) unless otherwise noted.

Family Owned
American Made



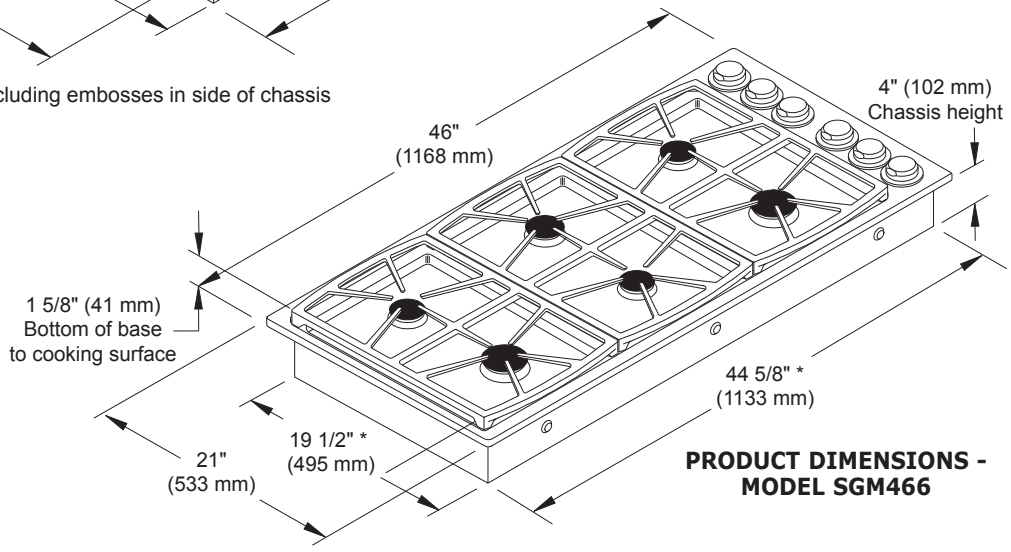
PRODUCT DIMENSIONS - MODEL SGM304

* including embosses/screws in side of chassis



PRODUCT DIMENSIONS - MODEL SGM365

* including embosses in side of chassis



PRODUCT DIMENSIONS - MODEL SGM466

* including embosses/screws in side of chassis

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Electrical Requirements

⚠ WARNING

To prevent an electric shock hazard, the power supply must meet the specifications stated below. It is the owner’s responsibility to make sure that the electrical service meets electrical requirements and that the electrical outlet has been properly installed.

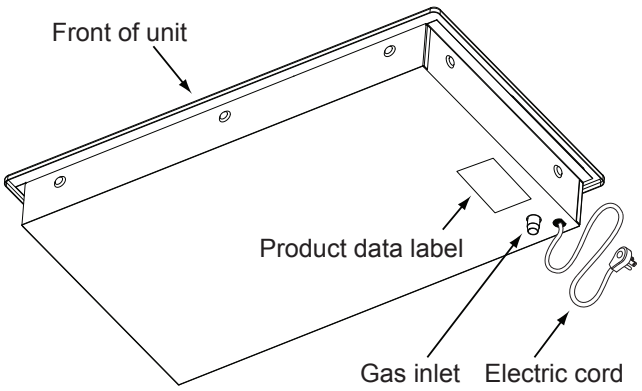
◊ The cooktop is supplied with a factory installed, 40-inch, three-prong, grounding electrical plug. It is connected to the chassis at the bottom right rear corner (see Chassis Bottom Diagram below). It must be connected to a dedicated, grounded three-prong electrical outlet installed by a licensed electrician.

◊ The electrical installation, including minimum supply wire size and grounding, must be done in accordance with National Electric Code ANSI/NFPA 70* and local codes and ordinances. A copy of this standard may be obtained from:

National Fire Protection Association
1 Batterymarch Park
Quincy, Massachusetts 02269-9101

◊ The correct voltage, frequency and amperage must be supplied to the electrical outlet according to the product data label located on the bottom of the chassis. See the Gas and Electrical Requirements table on this page for reference.

◊ Be certain to locate the electrical outlet so that the power cord may be easily disconnected if the unit needs service.



CHASSIS BOTTOM DIAGRAM

Gas Supply Requirements

◊ Be certain that the cooktop being installed is correct for the gas service being provided (natural gas or LP gas). Also, if operating the cooktop at an altitude above 4000 ft. (1219 m) make sure it is equipped for high altitude operation.

◊ Units equipped for LP operation have “LP” in the model number listed on the product data label. See the Chassis Bottom Diagram for label location.

◊ Units equipped for high altitude operation have an “H” at the end of the model number listed on the product data label.

◊ Check your local building codes for the proper method of installation. In the absence of local codes, this appliance should be installed in accordance with the National Fuel Gas Code ANSI Z223.1/NFPA 54.

◊ An external manual shut-off valve must be installed between the gas inlet and the cooktop for the purpose of turning on or shutting off gas to the appliance.

◊ The cooktop comes from the factory with a regulator in the shipping carton. Use only the regulator provided. The regulator must be installed in the gas line that runs from the cooktop gas inlet to the gas shut off valve.

◊ Models SGM304 and SGM365 come with a 1/2” regulator. Model SGM466 comes with a 3/4” regulator, approved for connection to a 1/2” house gas supply.

The cooktop gas connection is located on the bottom of the cootktop in the back right corner as you face the front of the unit. See the Chassis Bottom Diagram on this page.

	SGM304 SGM365 SGM466	SGM304LP SGM365LP SGM466LP
Gas type	Natural	LPG
Manifold pressure	4” Water column	10” Water column
Min. gas supply pressure**	5” Water column	11” Water column
Max. gas supply pressure	1/2 p.s.i.	1/2 p.s.i.
Total connected load	0.25 Amp. (0.03 kW)	0.25 Amp. (0.03 kW)
Circuit requirement	120 Vac, 60 Hz, 15 Amp.	120 Vac, 60 Hz, 15 Amp.

GAS AND ELECTRICAL REQUIREMENTS*

* The electrical and gas data on this page is for reference only. If the above data does not agree with the product data label, use the data on the product data label.

** The gas supply pressure for testing the regulator setting shall be at least 1 inch water column (249Pa) above the specified manifold pressure.

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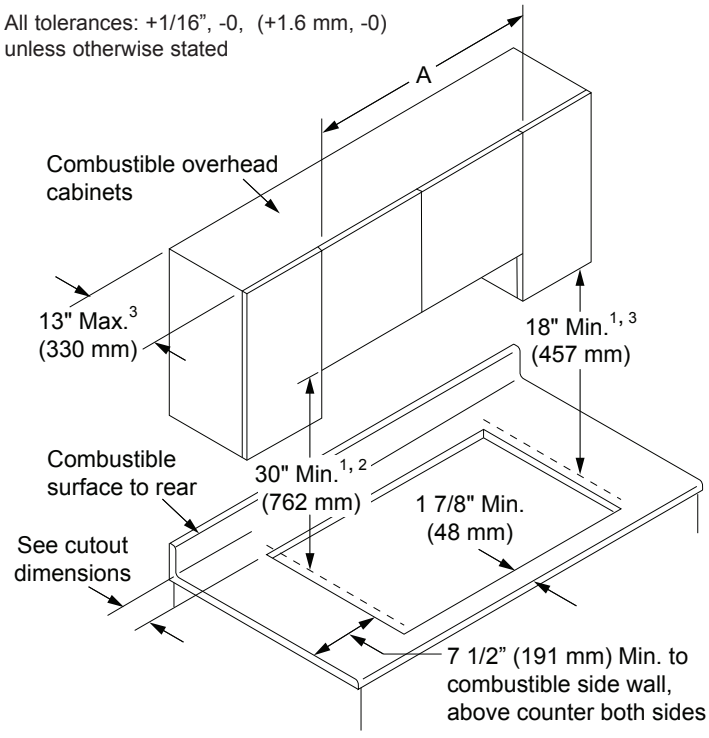
Cabinet and Countertop Layout

⚠ WARNING

- To reduce the risk of personal injury caused by reaching over a hot appliance, avoid locating cabinet storage space directly above the cooktop.
- Failure to meet or exceed the maximum and minimum dimensions/clearances stated in these instructions may result in a fire hazard.
- Follow the countertop manufacturer’s instructions regarding the minimum corner radius, use of heat reflective tape, reinforcement of corners, etc.

◊ Carefully check the location where the cooktop will be installed. For best performance, the cooktop should be placed away from drafts that may be caused by doors, windows and heating and air conditioning outlets.

◊ This appliance is to be used in conjunction with a suitable vent hood or approved Dacor raised vent system.

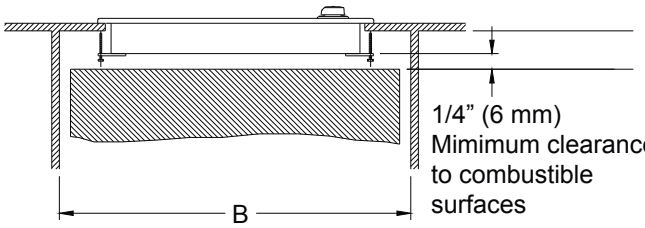

All tolerances: +1/16”, -0, (+1.6 mm, -0) unless otherwise stated
A
Combustible overhead cabinets
13" Max.[3] (330 mm)
18" Min.[1, 3] (457 mm)
Combustible surface to rear
30" Min.[1, 2] (762 mm)
1 7/8" Min. (48 mm)
See cutout dimensions
7 1/2” (191 mm) Min. to combustible side wall, above counter both sides

[1] Measured from cooking surface (top of cooktop grate).
[2] If installing with an overhead vent hood, also check hood specifications for minimum required clearances.
[3] Not applicable for cabinets more than a horizontal distance of 6” (152 mm) from edge of cooktop (allow 7 1/2” from edge of cutout).

MINIMUM REQUIRED CLEARANCES AROUND THE COOKTOP

Model	(A) Minimum	(A) Recommended
SGM304	30” (762 mm)	36” (914 mm)
SGM365	36” (914 mm)	42” (1067 mm)
SGM466	48” (1219 mm)	54” (1372 mm)

◊ Allow a minimum ¼” (6 mm) clearance between the bottom of the cooktop chassis and all combustible surfaces, including the upper edge of a drawer installed below the cooktop.



Under Cabinet Clearances

Model	(B) Minimum*
SGM304	29” (737 mm)
SGM365	35 ¼” (895 mm)
SGM466	46” (1168 mm)

* To allow clearance for hold down brackets

◊ The gas supply piping, gas shut-off valve and the electrical outlet must be located so they do not interfere with the cooktop when it is installed. If installing another appliance in the cabinet below, allow for the routing of gas and electrical service behind it.

The installation must allow for the following:

◊ Access to the gas shut-off valve and regulator when the unit is installed.

◊ Access to the electrical outlet when the cooktop is in place. The 40” (1016 mm) power cord must be able to reach the electrical outlet

◊ Access to the underside of the cooktop for service and inspection purposes

◊ Clearance inside the cabinet to allow for proper hold down bracket installation.

To allow access to the utilities and cooktop bottom, a fixed shelf should not be installed below the cooktop. See the following pages for countertop cutout dimensions.

Raised Vent Compatibility

If installing the cooktop with a raised vent, install only the approved Dacor model numbers specified below:

Cooktop Models	Approved Raised Vent Models
SGM304	ERV30, PRV30 or RV30
SGM365	ERV36, PRV36 or RV36
SGM466	PRV46 or RV46

Cutout Dimensions

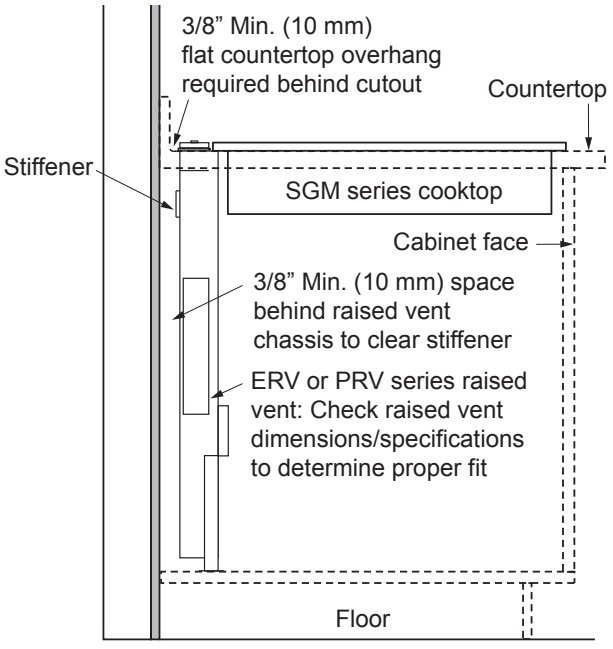
All tolerances +1/16” -0 (+1.6 mm, 0) unless otherwise noted

IMPORTANT: Be careful to use the correct cutout diagram (on page 5/5) to determine the countertop dimensions for the installation type. Carefully double check all dimensions against the table below and the correct diagram before cutting the countertop.

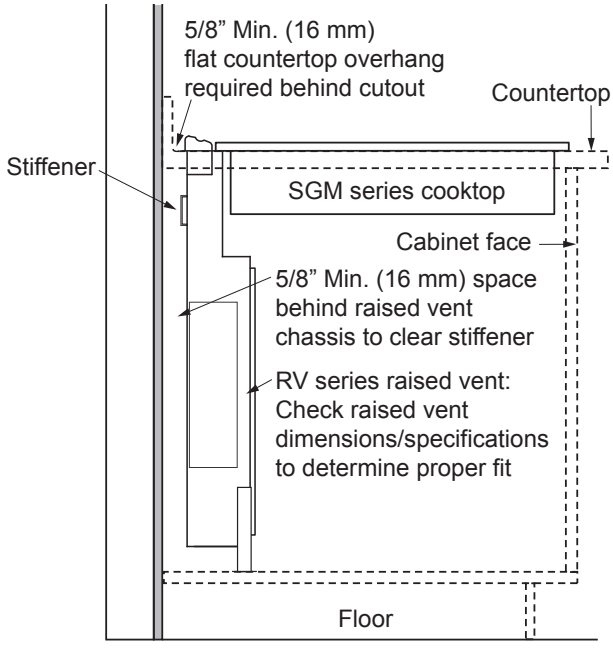
Countertop Dimensions							
Installation Type	**Cutout Diagram**	**(C) Min.**	**(D)**	**(E)**	**(F)**	**(G)**	**(H)**
SGM304 without raised vent	Figure 1 (Square)	2 7/8” (73 mm)	19 3/4” (502 mm)	27 3/4” (686 mm)	NA	NA	NA
SGM304 with ERV30 or PRV30	Figure 1 (Square)	3/8” (10 mm)	22 1/2” * (572 mm)	27 3/4” (686 mm)	NA	NA	NA
SGM304 with RV30	Figure 1 (Square)	5/8” (16 mm)	22 1/4” * (565 mm)	27 3/4” (686 mm)	NA	NA	NA
SGM365 without raised vent	Figure 1 (Square)	2 3/8” (60 mm)	19 3/4” (502 mm)	33 5/8” (854 mm)	NA	NA	NA
SGM365 with ERV36 or PRV36	Figure 1 (Square)	3/8” (10 mm)	22 1/2” * (572 mm)	33 5/8” (854 mm)	NA	NA	NA
SGM365 with RV36	Figure 1 (Square)	5/8” (16 mm)	22 1/4” * (565 mm)	33 5/8” (854 mm)	NA	NA	NA
SGM466 without raised vent	Figure 1 (Square)	2 7/8” (73 mm)	19 3/4” (502 mm)	44 3/4” (1137 mm)	NA	NA	NA
SGM466 with PRV46	Figure 2 (Notched)	3/8” (10 mm)	22 1/2” * (572 mm)	44 3/4” (1137 mm)	43 1/2” (1105 mm)	5/8” (16 mm)	2 5/8” ** (67 mm)
SGM466 with RV46	Figure 2 (Notched)	5/8” (16 mm)	22 1/4” * (565 mm)	44 3/4” (1137 mm)	43 1/2” (1105 mm)	5/8” (16 mm)	2 5/8” ** (67 mm)

* Total cutout depth, accommodates both the cooktop and raised vent

** **IMPORTANT:** Notch depth is included in total cutout depth (D). **DO NOT** add notch depth to total cutout depth (D).


3/8” Min. (10 mm) flat countertop overhang required behind cutout
Countertop
Stiffener
SGM series cooktop
Cabinet face
3/8” Min. (10 mm) space behind raised vent chassis to clear stiffener
ERV or PRV series raised vent: Check raised vent dimensions/specifications to determine proper fit
Floor

SIDE VIEW - SGM SERIES COOKTOP WITH ERV OR PRV SERIES RAISED VENT


5/8” Min. (16 mm) flat countertop overhang required behind cutout
Countertop
Stiffener
SGM series cooktop
Cabinet face
5/8” Min. (16 mm) space behind raised vent chassis to clear stiffener
RV series raised vent: Check raised vent dimensions/specifications to determine proper fit
Floor

SIDE VIEW - SGM SERIES COOKTOP WITH RV SERIES RAISED VENT

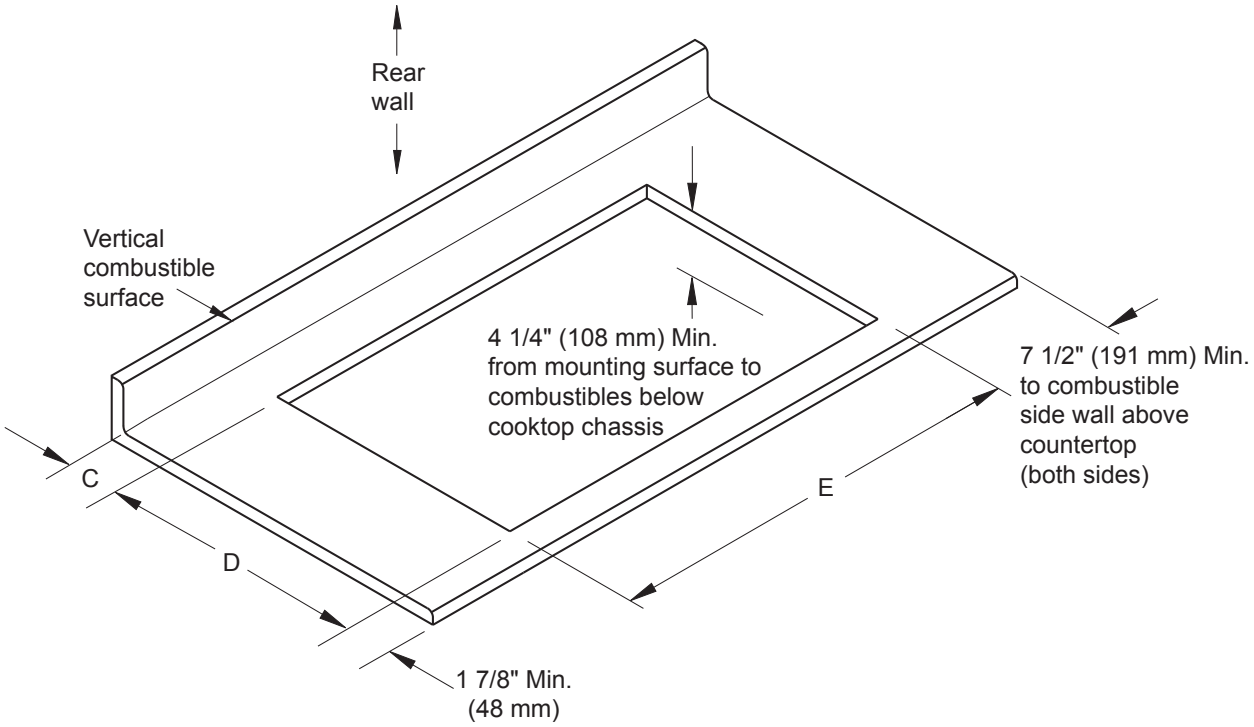

Rear wall
Vertical combustible surface
4 1/4" (108 mm) Min. from mounting surface to combustibles below cooktop chassis
7 1/2" (191 mm) Min. to combustible side wall above countertop (both sides)
C
D
E
1 7/8" Min. (48 mm)

FIGURE 1 - SQUARE COUNTERTOP CUTOUT DIAGRAM

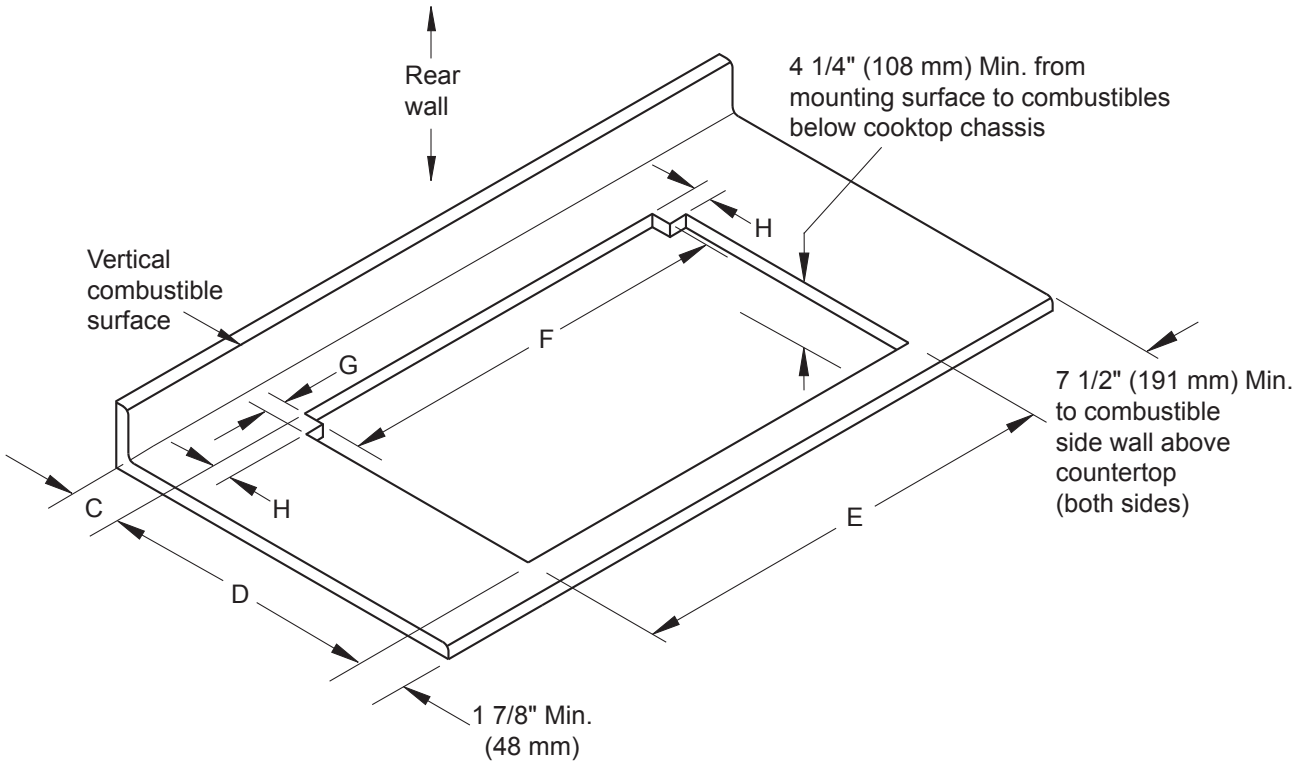


FIGURE 2 - NOTCHED COUNTERTOP CUTOUT DIAGRAM